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Assistant Commissioner for Patents

Washington, D.C. 20231 On 6 Dec. 2001

PATENT  
018623-014600US  
EPI 0146.00US

TOWNSEND and TOWNSEND and CREW LLP

By: Malinda D. Oglet

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Fikes *et al.*

Application No.: 09/458,298

Filed: December 10, 1999

For: INDUCING CELLULAR IMMUNE  
RESPONSES TO MAGE2/3 USING  
PEPTIDE AND NUCLEIC ACID  
COMPOSITIONS

Examiner: Ronald B. Schwadron

Art Unit: 1644

RESPONSE TO NOTICE OF NON-  
COMPLIANT AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Notice Of Non-Compliant Amendment mailed November 9, 2001, Applicants submit herewith clean copies of pages 100 and 101.

The Notice appears to suggest that the Amendment filed October 1, 2001 was non-compliant because it allegedly lacked clean versions of pages 100 and 101. Applicants note that clean versions of the two pages were included in Applicants' Amendment, which was mailed on September 7, 2001. Copies of the clean versions of pages 100 and 101 that were previously submitted are attached hereto. If required, Applicants can provide a complete copy of the amendment as filed.

If there are any questions about this response, please telephone the undersigned at 415-576-0200.

Respectfully submitted,

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Table IV. HLA Class I Standard Peptide Binding Affinity.

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ALLELE	STANDARD PEPTIDE	SEQUENCE	SEQ ID NO:	STANDARD BINDING AFFINITY (nM)
A*0101	944.02	YLEPAIAKY	2175	25
A*0201	941.01	FLPSDYFPSV	2176	5.0
A*0202	941.01	FLPSDYFPSV	2177	4.3
A*0203	941.01	FLPSDYFPSV	2178	10
A*0205	941.01	FLPSDYFPSV	2179	4.3
A*0206	941.01	FLPSDYFPSV	2180	3.7
A*0207	941.01	FLPSDYFPSV	2181	23
A*6802	1072.34	YVIKVSARV	2182	8.0
A*0301	941.12	KVFPYALINK	2183	11
A*1101	940.06	AVDLYHFLK	2184	6.0
A*3101	941.12	KVFPYALINK	2185	18
A*3301	1083.02	STLPETYVRR	2186	29
A*6801	941.12	KVFPYALINK	2187	8.0
A*2402	979.02	AYIDNYNKF	2188	12
B*0702	1075.23	APRTLVLVLL	2189	5.5
B*3501	1021.05	FPFKYAAAF	2190	7.2
B51	1021.05	FPFKYAAAF	2191	5.5
B*5301	1021.05	FPFKYAAAF	2192	9.3
B*5401	1021.05	FPFKYAAAF	2193	10

101

Table V. HLA Class II Standard Peptide Binding Affinity.

Allele	Nomenclature	Standard Peptide	Sequence	SEQ ID NO: #	Binding Affinity (nM)
DRB1*0101	DR1	515.01	PKYVKQNTLKLAT	2194	5.0
DRB1*0301	DR3	829.02	YKTIAFDEEARR	2195	300
DRB1*0401	DR4w4	515.01	PKYVKQNTLKLAT	2196	45
DRB1*0404	DR4w14	717.01	YARFQSQTTLKQKT	2197	50
DRB1*0405	DR4w15	717.01	YARFQSQTTLKQKT	2198	38
DRB1*0701	DR7	553.01	QYIKANSKFIGITE	2199	25
DRB1*0802	DR8w2	553.01	QYIKANSKFIGITE	2200	49
DRB1*0803	DR8w3	553.01	QYIKANSKFIGITE	2201	1600
DRB1*0901	DR9	553.01	QYIKANSKFIGITE	2202	75
DRB1*1101	DR5w11	553.01	QYIKANSKFIGITE	2203	20
DRB1*1201	DR5w12	1200.05	EALHQLKINPYVLS	2204	298
DRB1*1302	DR6w19	650.22	QYIKANAKFIGITE	2205	3.5
DRB1*1501	DR2w2β1	507.02	GRTQDENPVVHFFKNI VTPRTPPP	2206	9.1
DRB3*0101	DR52a	511	NGQIGNDPNRDIL	2207	470
DRB4*0101	DRw53	717.01	YARFQSQTTLKQKT	2208	58
DRB5*0101	DR2w2β2	553.01	QYIKANSKFIGITE	2209	20

The "Nomenclature" column lists the allelic designations used in Tables XIX and XX.

**UNITED STATES DEPARTMENT OF COMMERCE**  
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FIRST NAMED INVENTOR

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ART UNIT

PAPER NUMBER

DATE MAILED:

11/09/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

16 C1  
Atty Docket No. 018623-0146-00

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ATTENTION: Legal Instruments Examiner Eاون Smallwood  
Group Art Unit 1644

**OFFICIAL COMMUNICATION**  
**FOR THE PERSONAL ATTENTION OF**  
**Eاون Smallwood/Donna Chapman**

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GROUP 1600**CERTIFICATION OF FACSIMILE TRANSMISSION**

I hereby certify that the following documents, in re Application of John Fikes *et al*, Application No. 09/458,298, filed December 10, 1999, for INDUCING CELLULAR IMMUNE RESPONSES TO MAGE2/3 USING PEPTIDE AND NUCLEIC ACID COMPOSITIONS is being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Documents Attached

1. Response to Notice of Non-Compliant Amendment
2. Clean version of pages 100 and 101
3. copy of Notice of Non-Compliant Amendment

Number of pages being transmitted, including this page: 6

Dated: December 6, 2001

  
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